

**15A NCAC 02D .2615 DETERMINATION OF LEAK TIGHTNESS AND VAPOR LEAKS**

(a) Leak Detection Procedures. One of the following test methods from the EPA document "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection System," EPA-450/2-78-051, published by the U.S. Environmental Protection Agency, December 1978, shall be used to determine compliance with 15A NCAC 02D .0932, Gasoline Cargo Tanks And Vapor Collector Systems:

- (1) The gasoline vapor leak detection procedure by combustible gas detector described in Appendix B to EPA-450/2-78-051 shall be used to determine leakage from gasoline cargo tanks and vapor control systems.
- (2) The leak detection procedure for bottom-loaded cargo tanks by bag capture method described in Appendix C to EPA-450/2-78-051 shall be used to determine the leak tightness of cargo tanks during bottom loading.

(b) Annual Testing. The pressure-vacuum test procedures for leak tightness of cargo tanks described in Method 27 of Appendix A to 40 CFR Part 60 or 49 CFR 180.407 shall be used to determine the leak tightness of gasoline cargo tanks in use and equipped with vapor collection equipment. Method 27 of Appendix A to 40 CFR Part 60 is changed for fugitive emissions leak prevention to read:

- (1) 8.2.1.2 "Connect static electrical ground connections to tank."
- (2) 8.2.1.3 "Attach test coupling to vapor return line."
- (3) 16.0 No alternative procedure is applicable.

(c) Copies of Appendix B and C of the EPA document, "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection System," EPA-450/2-78-051, cited in this Rule, are hereby incorporated with subsequent amendments and editions by reference and are available on the Division's website at <http://deq.nc.gov/about/divisions/air-quality/air-quality-enforcement/emission-measurement>.

*History Note:* Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);  
Eff. June 1, 2008;  
Readopted Eff. October 1, 2020.